



Actual Stress Estimation

Silva Nabuco, Bruna; Tarpø, Marius; Amador, Sandro; Brincker, Rune

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Actual Stress Estimation

Bruna Nabuco, Marius Tarpø, Sandro Amador, Rune Brincker

The entire design process of offshore structures is based on risk assessments due to high amounts of uncertainties related to the environmental conditions and the material properties which affect the estimated lifetime of the structure.

The purpose is to apply the Operational Modal Analysis (OMA) technique to estimate the actual stress of fixed offshore structures aiming to reduce the uncertainties and extend the lifetime of these platforms.



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